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# Appendix A

## Map Data Attribution

Unless otherwise indicated, the maps in this document are for planning purposes only. These maps were created using data from multiple sources. Legend titles are the same as layer titles unless noted. Data sources include:

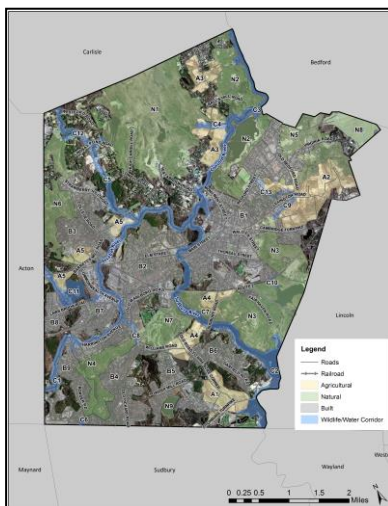
**MassGIS Office of Geographic Information Commonwealth of Massachusetts, Information Technology Division**

**USDA NRCS Geospatial Data Gateway**

**Town of Concord**

**Original Data Produced By Authors**

**Third Party Producer**



### 2015 Open Space Framework

Section 2, Page 7

Illustrates landscape blocks as defined by Open Space Framework.

### Data Sources

Agricultural, Open Space Framework, 3/13

Natural, Open Space Framework, 3/13

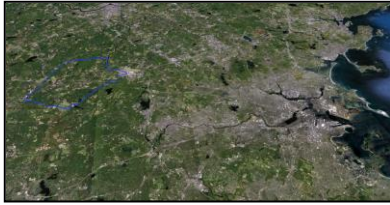
Built, Open Space Framework, 3/13

Corridor, Open Space Framework, 3/13

Train Stations, 3/13

Roads, 3/13

Railroads, 3/13



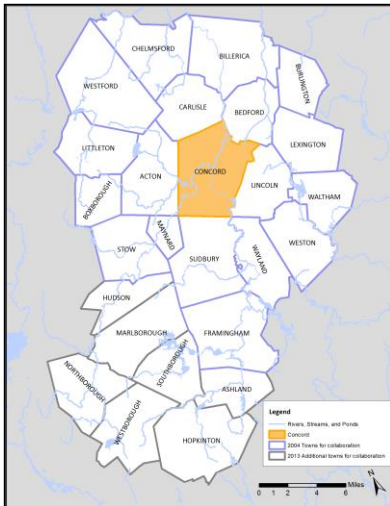
### Satellite Imagery

Section 3, Page 10

Concord's location in relation to neighboring towns.

### Data Sources

Google Earth Pro, 1/13



### Regional Context

Section 3, Page 11

Concord's location in relation to neighboring towns.

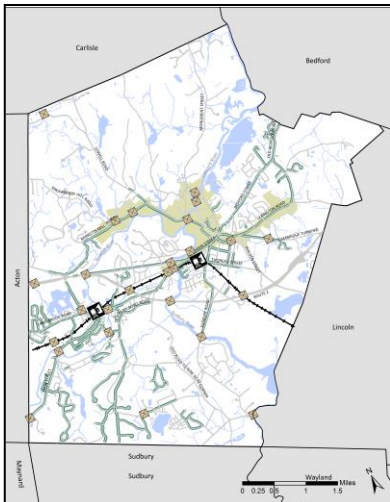
### Data Sources

Rivers, Streams, and Ponds, Major Hydrography, 3/13

Concord, 3/13

2004 Towns for collaboration, 3/13

2013 Additional Towns for collaboration, 3/13



### Existing Infrastructure

Section 3, Page 15

### Data Sources

Concord, 3/13

Train Station, 3/13

Bridges, 3/13

Sidewalks, 3/13

Roads, 3/13

Sidewalks, 3/13

Railroad, 3/13

Groundwater Conservancy District, 3/13

Pond, Lake, Rivers, Water Bodies, 3/13

Local Historic District, MHC Historic Inventory Areas, 3/13



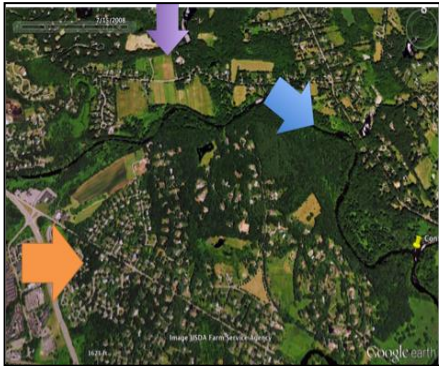
### Aerial View of Concord, 1938

Section 3, Page 21

Shows landscape patterns from 1938.

#### Data Sources

Concord Free Public Library, 2/13



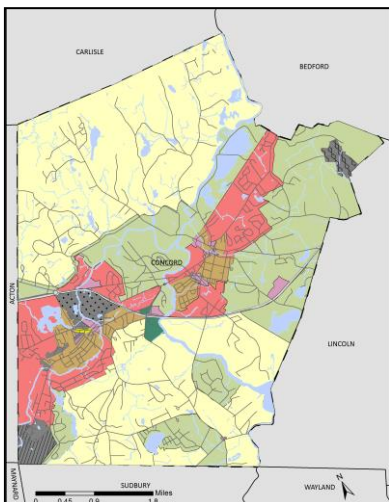
### Aerial View of Concord, 2008

Section 3, Page 21

Shows landscape patterns from 2008.

#### Data Sources

Google Earth Pro, 2/13



### Zoning

Section 3, Page 23

Breakdown of zoning districts in town.

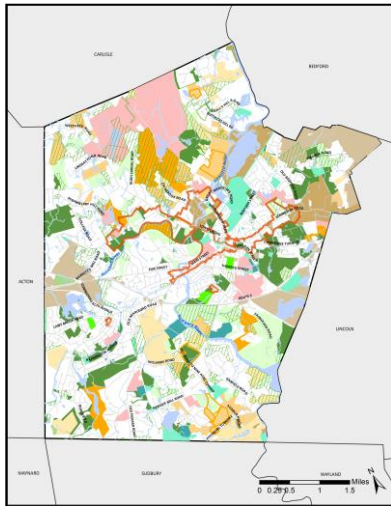
#### Data Sources

Roads, 3/13

Pond, Lake, River, Water Bodies, 3/13

Concord, 3/13

All other legend titles, Zoning Districts, 3/13



### Current Land Use

Section 3, Page 26

Breakdown of land use across town.

### Data Sources

Local Historic District, MHC Historic Inventory Areas, 3/13

Town Owned – Water & Sewer Dep’t, 3/13

Town Owned – Recreation Dep’t, 3/13

Town Owned – Natural Resources Commission, 3/13

State Owned Lands, 3/13

Land Trust Lands, 3/13

Institution Lands, 3/13

Federal Lands, 3/13

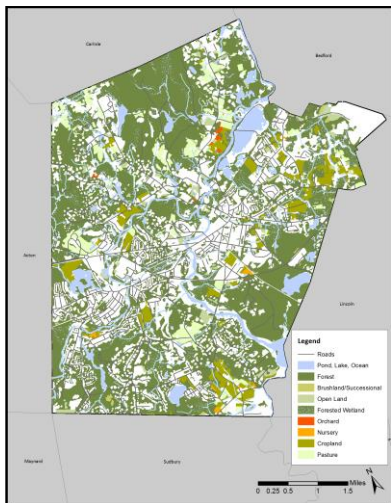
Chapter 61 Lands, 3/13

Chapter 61A Lands, 3/13

Chapter 61B Lands, 3/13

Concord, 3/13

Roads, 3/13



### Current Land Cover

Section 3, Page 27

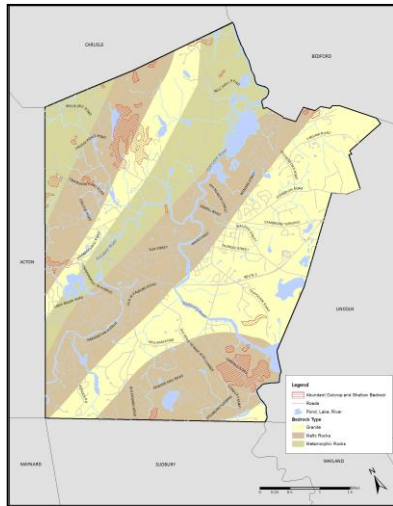
Land cover pattern across town.

### Data Sources

Roads

Pond, Lake, River, Water Bodies Concord Clip, 3/13

All other legend titles, Land Use\_2005\_Concord Clip, 3/13



## Bedrock Geology

Section 4, Page 31

Breakdown of bedrock types across town.

## Data Sources

Abundant Outcrop and Shallow Bedrock, Shallow Bedrock, 3/13

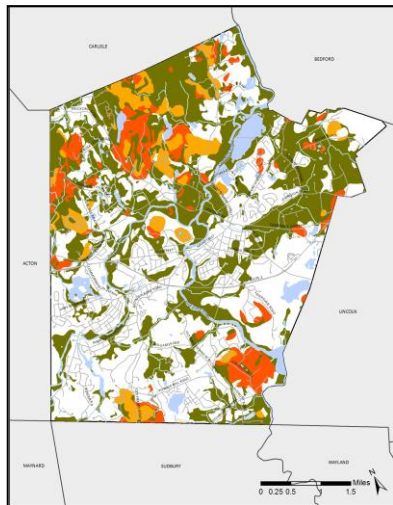
Roads, 3/13

Pond, Lake, River, Water Bodies, 3/13

Granite, Bedrock Type, 3/13

Mafic Rocks, Bedrock Type, 3/13

Metamorphic Rocks, Bedrock Type 3/13



## Soils

Section 4, Page 33

Different soil types across town.

## Data Sources

Hydric Soils, Hydric Rating by Map Unit, 3/13

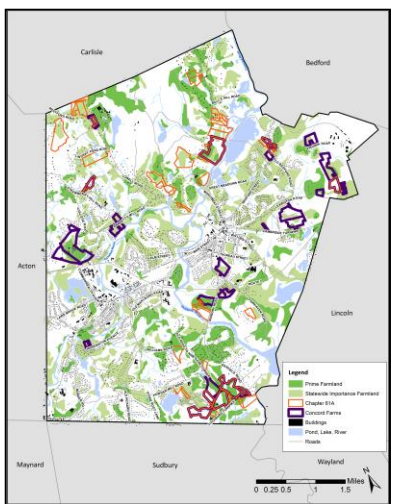
Shallow Depth to Bedrock, Depth to Selected Soil Restrictive Layer

Well Drained, Drainage Class

Pond, Lake, River, Water Bodies, 3/13

Roads, 3/13

Concord, 3/13



## Agricultural Soils

Section 4, Page 35

Various types of agricultural soils found in town.

## Data Sources

Prime Farmland, Prime Farmland & Statewide Importance, 3/13

Statewide Importance Farmland, Prime Farmland & Statewide Importance, 3/13

Chapter 61A, 3/13

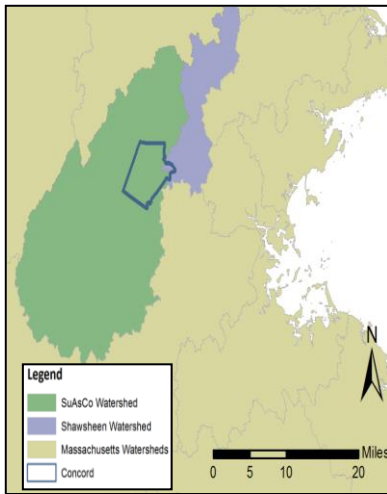
Farms, 3/13

Buildings, Prime Farmland, 3/13

Pond, Lake, River, Water Bodies, 3/13

Roads, 3/13





## SuAsCo Watershed

Section 4, Page 36

Watersheds relevant to Concord.

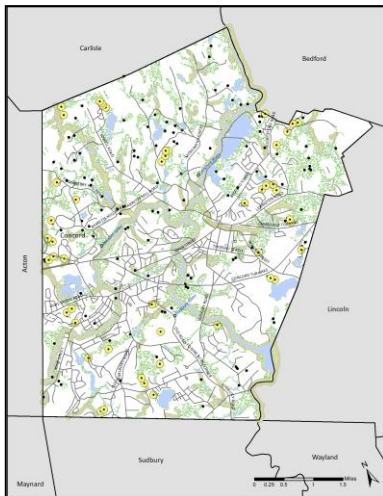
## Data Sources

SuAsCo Watershed, 3/13

Shawsheen Watershed, 3/13

Massachusetts Watersheds, 3/13

Concord, 3/13



## Water Resources

Section 4, Page 39

Water resource typology and protection areas in town.

## Data Sources

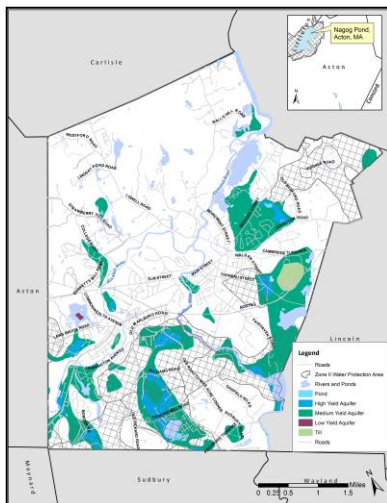
Certified Vernal Pools, 3/13

Potential Vernal Pools, 3/13

Wetlands, 3/13

200 ft Riverfront Protection Area, 3/13

Roads, 3/13



## Public Water Supply

Section 4, Page 41

Aquifers and protection areas in town.

## Data Sources

Zone II Water Protection Area, 3/13

Rivers and Ponds, 3/13

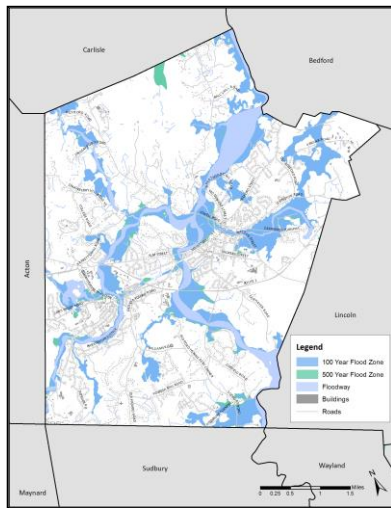
Pond, Aquifers, 3/13

High Yield Aquifer, Aquifers, 3/13

Low Yield Aquifer, Aquifers, 3/13

Till, Aquifers, 3/13

Roads, 3/13



## Flood Zones

Section 4, Page 43

FEMA designated flood zones in town.

## Data Sources

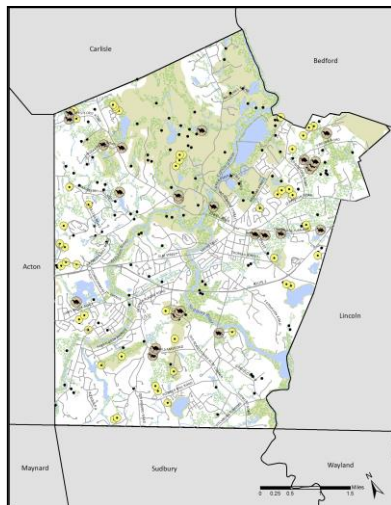
100 Year Flood Zone, 7/14

500 Year Flood Zone, 7/14

Floodway, 7/14

Buildings, 3/13

Roads, 3/13



## Plant and Wildlife Habitat

Section 4, Page 45

Aquatic and terrestrial wildlife habitat across town.

## Data Sources

Beaver Dams, 3/13

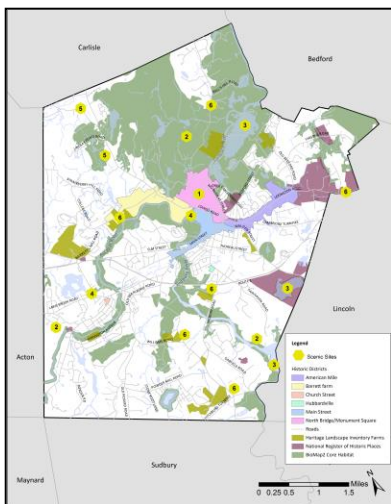
Certified Vernal Pools, 3/13

Potential Vernal Pools, 3/13

Wetlands, 3/13

BioMap2 Core Habitat, 3/13

Roads, 3/13



## Unique Features

Section 4, Page 51

Unique features, sites, and districts across town.

## Data Sources

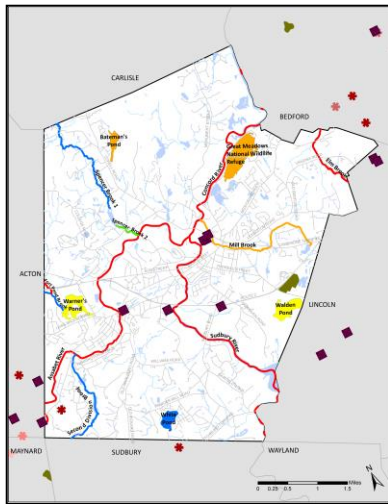
Scenic sites, 3/13

Heritage Landscape Inventory Farms, 3/13

Local Historic District, 3/13

BioMap2 Core Habitat, 3/13

Roads, 3/13



## Environmental Challenges

Section 4, Page 58

Environmental challenge areas including waterways, landfill and brownfields.

## Data Sources

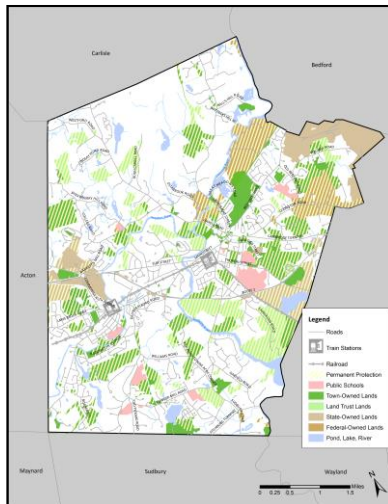
Capped landfills, 3/13

Active and Use Limitation Sites, 3/13

Roads, 3/13

Oil and/or Hazardous Material Sites, 3/13

Integrated Rivers and Lakes, Impaired Rivers and Lakes, 3/13



## Publicly Owned Open Space

Section 5, Page 61

Protection status of publicly owned open space.

## Data Sources

Permanent Protection, 3/13

Institutions, 3/13

Town Owned NRC, 3/13

State Owned Lands, 3/13

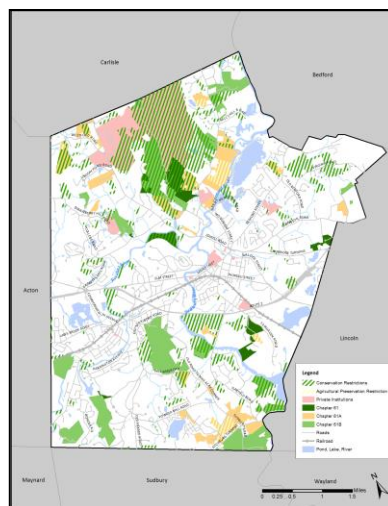
Federal Owned Lands, 3/13

Pond, Lake, River, 3/13

Train Stations, 3/13

Railroad, 3/13

Roads, 3/13



## Privately Owned Open Space

Section 5, Page 66

Protection status of privately owned open space.

## Data Sources

Permanent Protection, 3/13

Private Institutions, 3/13

Chapter 61B, 3/13

Chapter 61A, 3/13

Chapter 61, 3/13

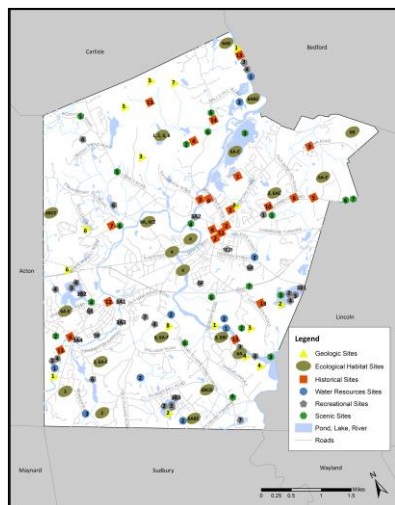
Train Stations, 3/13

Railroad, 3/13

Pond, Lake, River, 3/13

Roads, 3/13





## Special Sites

Section 5, Page 72

Resource sites of varying types across town.

## Data Sources

Ecological Habitat, 3/13

Water Resource Sites, 3/13

Recreational Sites, 3/13

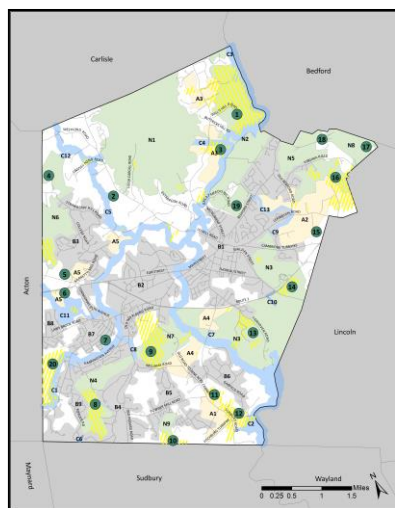
Historical Sites, 3/13

Geologic Sites, 3/13

Scenic Sites, 3/13

Pond, Lake, River, 3/13

Roads, 3/13



## Lands of Conservation and Recreation Interest

Section 5, Page 77

Areas and parcels in town recognized as priorities for protection.

## Data Sources

Selected 2004 Priority Lands

Unprotected parcels within OSF, Parcels\_Patch\_Priorities, 3/13

Unprotected areas within OSF, 3/13

Agricultural, Open Space Framework 2013

Natural, Open Space Framework 2013

Built, Open Space Framework 2013

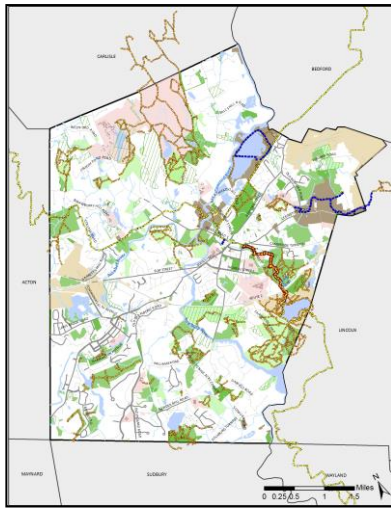
Corridor, Open Space Framework 2013

Pond, Lake, River

Train Stations

Railroad

Roads



### Existing Trails

Section 5, Page 78

Current public trail network in town.

### Data Sources

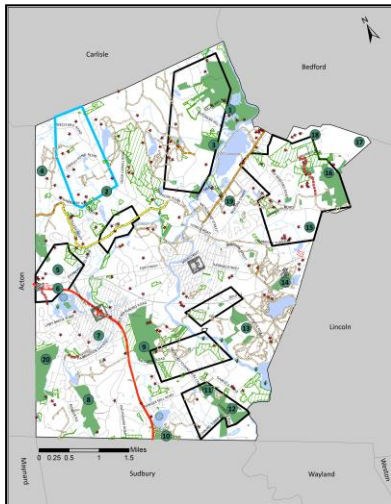
Sidewalks

Trails Public Access Public Land

School Lands

Public Access Public Lands

Roads



### Seven-Year Action Map

Section 9, Page 101

Mapped action items from current action plan.

### Data Sources

Selected 2004 Lands of Conservation Interest, 3/13

Potential Vernal Pools, 3/13

Bay Circuit Trail Rerouting, 3/13

Proposed Bruce Freeman Rail Trail, 3/13

Proposed Ag Overlay Districts, 3/13

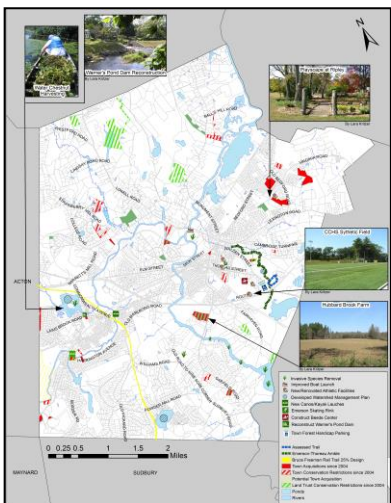
Unprotected Areas within OSF, 3/13

Pond, Lake, River, 3/13

Roads, 3/13

Train Stations, 3/13

Railroad, 3/13



### Conservation and Recreation Accomplishments Since 2004

Section 9, Page 109

Mapped conservation and recreation initiatives since last Open Space and Recreation Plan.

### Data Sources

Parcels, 3/13

Proposed Bruce Freeman Rail Trail, 3/13

Pond, Lake, River, 3/13

Roads, 3/13



## Estabrook Woods Natural Area

Appendix C, Page 161

Illustrates protected and unprotected lands in the Estabrook Woods Natural Area

## Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
 Natural, Open Space Framework, 3/13  
 Built, Open Space Framework, 3/13  
 Corridor, Open Space Framework, 3/13  
 Special Sites, 3/13  
 Train Stations, 3/13  
 Roads, 3/13



## Great Meadows-Balls Hill Natural Area

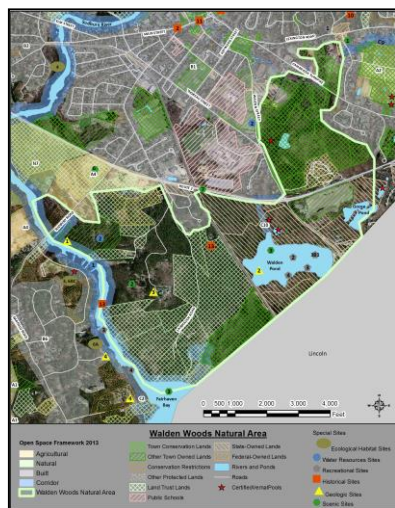
Appendix C, Page 163

Illustrates protected and unprotected lands in the Great Meadows-Ball's Hill Natural Area

## Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
 Natural, Open Space Framework, 3/13  
 Built, Open Space Framework, 3/13  
 Corridor, Open Space Framework, 3/13  
 Special Sites, 3/13  
 Train Stations, 3/13  
 Roads, 3/13



## Walden Woods Natural Area

Appendix C, Page 164

Illustrates protected and unprotected lands in the Walden Woods Natural Area

## Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
 Natural, Open Space Framework, 3/13  
 Built, Open Space Framework, 3/13  
 Corridor, Open Space Framework, 3/13  
 Special Sites, 3/13  
 Train Stations, 3/13  
 Roads, 3/13





## Second Division Brook Natural Area

Appendix C, Page 166

Illustrates protected and unprotected lands in the Second Division Brook Natural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## Virginia Road Woods Natural Area

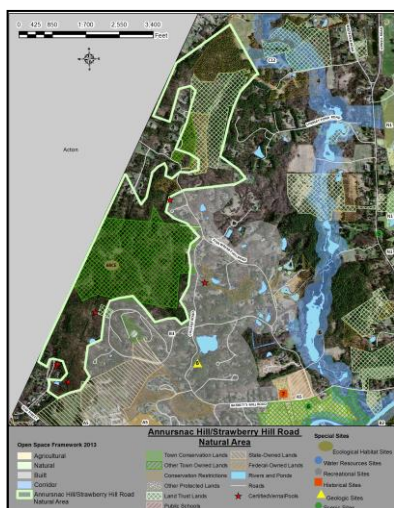
Appendix C, Page 167

Illustrates protected and unprotected lands in the Virginia Road Woods Natural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## Annursnac Hill/Strawberry Hill Road Natural Area

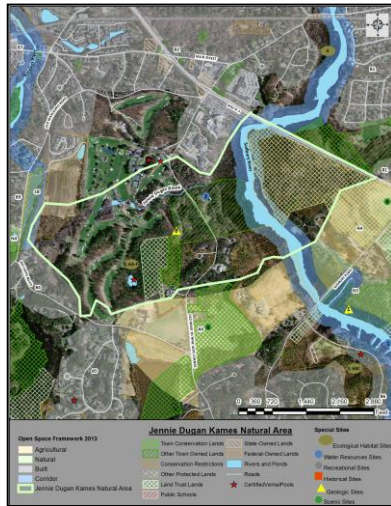
Appendix C, Page 168

Illustrates protected and unprotected lands in the Annursnac Hill/Strawberry Hill Road Natural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## Jennie Dugan Kames Natural Area

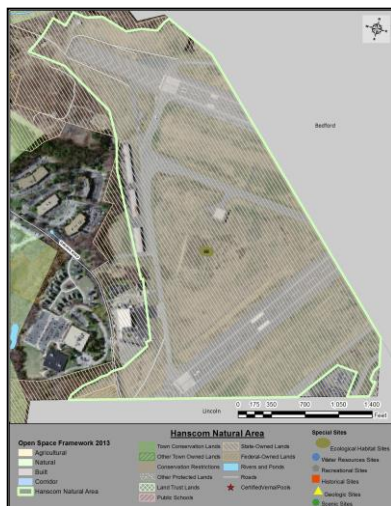
Appendix C, Page 170

Illustrates protected and unprotected lands in the Jennie Dugan Kames Natural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## Hanscom Natural Area

Appendix C, Page 171

Illustrates protected and unprotected lands in the Hanscom Natural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## White Pond Natural Area

Appendix C, Page 172

Illustrates protected and unprotected lands in the White Pond Natural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13





## Nine Acre Corner Agricultural Area

Appendix C, Page 174

Illustrates protected and unprotected lands in the Nine Acre Corner Agricultural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## Lexington Road Agricultural Area

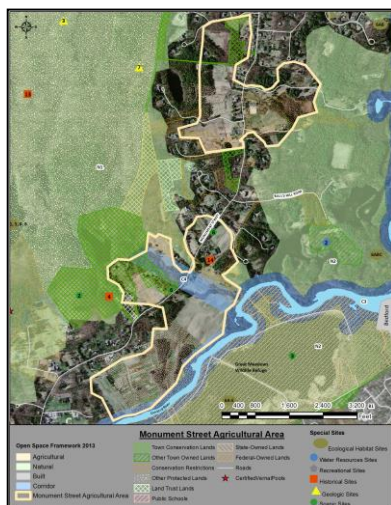
Appendix C, Page 175

Illustrates protected and unprotected lands in the Lexington Road Agricultural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## Monument Street Agricultural Area

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Illustrates protected and unprotected lands in the Monument Street Agricultural Area

### Data Sources

Permanent Protection, 3/13  
Institutions, 3/13  
Town Owned NRC, 3/13  
State Owned Lands, 3/13  
Federal Owned Lands, 3/13  
Pond, Lake, River, 3/13  
Certified Vernal Pool, 3/13

Agricultural, Open Space Framework, 3/13  
Natural, Open Space Framework, 3/13  
Built, Open Space Framework, 3/13  
Corridor, Open Space Framework, 3/13  
Special Sites, 3/13  
Train Stations, 3/13  
Roads, 3/13



## Williams/Sudbury Roads Agricultural Area

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Illustrates protected and unprotected lands in the William/Sudbury Roads Agricultural Area

### Data Sources

Permanent Protection, 3/13	Agricultural, Open Space Framework, 3/13
Institutions, 3/13	Natural, Open Space Framework, 3/13
Town Owned NRC, 3/13	Built, Open Space Framework, 3/13
State Owned Lands, 3/13	Corridor, Open Space Framework, 3/13
Federal Owned Lands, 3/13	Special Sites, 3/13
Pond, Lake, River, 3/13	Train Stations, 3/13
Certified Vernal Pool, 3/13	Roads, 3/13



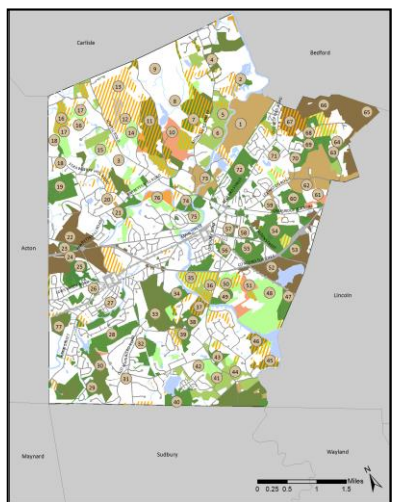
## Reformatory/Barretts Mill Road Agricultural Area

Appendix C, Page 179

Illustrates protected and unprotected lands in the Reformatory/Barretts Mill Road Agricultural Area

### Data Sources

Permanent Protection, 3/13	Agricultural, Open Space Framework, 3/13
Institutions, 3/13	Natural, Open Space Framework, 3/13
Town Owned NRC, 3/13	Built, Open Space Framework, 3/13
State Owned Lands, 3/13	Corridor, Open Space Framework, 3/13
Federal Owned Lands, 3/13	Special Sites, 3/13
Pond, Lake, River, 3/13	Train Stations, 3/13
Certified Vernal Pool, 3/13	Roads, 3/13



## 2004 Properties of Conservation Interest

Appendix J, Page 246

Priority parcels for protection in 2004 plan.

### Data Sources

2004 Properties of Conservation Interest, 3/13	Pond, Lake, River, 3/13
Train Stations, 3/13	Chapter 61B, 3/13
Town Owned, 3/13	Chapter 61A, 3/13
State Owned Lands, 3/13	Chapter 61, 3/13
Land Trust Lands, 3/13	Roads, 3/13
Federal Owned Lands, 3/13	Railroad, 3/13
Conservation Restriction, 3/13	

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